- SPACE QUALIFIED
- 10 - 500 MHz
- 2 WAY FLATPACK

SERIES 05

TECHNICAL DESCRIPTION / APPLICATION

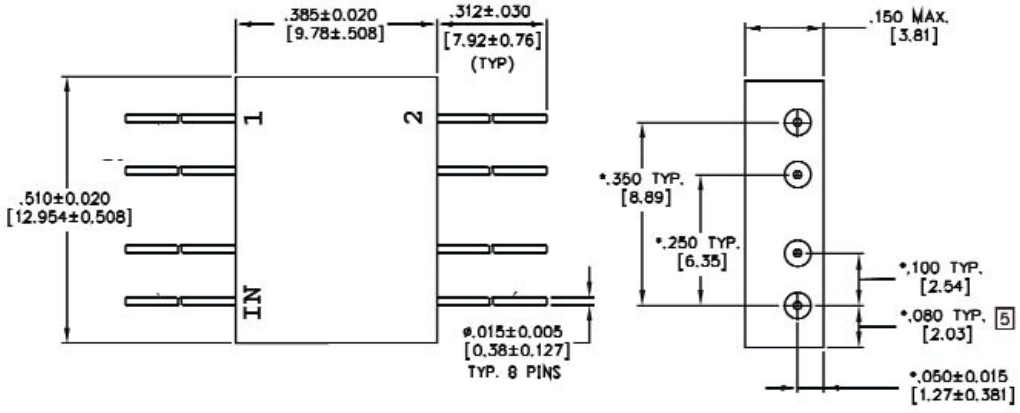
The PDF-2A-250 SQ 2 way power divider/combiner covers a frequency range of 10 to 500 MHz using a special lumped element design to reduce the size while maintaining high performance. This device has been designed in accordance with Merrimac document CENG-0001, “Standard Design Requirements for Space Qualified Devices”.

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE MHz	ISOLATION dB MIN.	ISOLATION dB TYP.	INSERTION LOSS dB MAX.	INSERTION LOSS dB TYP.	AMPLITUDE BALANCE dB MAX.	AMPLITUDE BALANCE dB TYP.	PHASE BALANCE MAX.	PHASE BALANCE TYP.	VSWR INPUT/ OUTPUT MAX.	VSWR INPUT/ OUTPUT TYP.
PDF-2A-250 SQ	10 - 500	25	30	0.7	0.5	0.2	0.1	2°	1°	1.3:1	1.2:1

INPUT POWER MAX	COUPLING NOM.	IMPEDANCE NOM.	INTERNAL POWER DISSIPATION MAX.	WEIGHT MAX.	OPERATING TEMPERATURE
1 W	3.0 dB	50 OHM	50 mW	2.8 g	-55° to +85 ° C

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.010 [.25mm] EXCEPT AS NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS = INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
5. ALL LEADS TO BE WITHIN ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY
7. ALL UNMARKED PINS ARE CASE GROUND.